

## Study of Antibacterial Activity of Phenolic Compounds Extracted from Algerian Medicinal Plant

**Authors :** Khadri Sihem, Abbaci Nafissa, Zerari Labiba

**Abstract :** In the context of the search for new bioactive natural products, we were interested in evaluating some antibacterial properties of two plant extracts: total phenols and flavonoids of Algerian medicinal plant. Our study occurs in two axes: The first concerns the extraction of phenolic compounds and flavonoids with methanol by liquid-liquid extraction, followed by quantification of the levels of these compounds in the end the analysis of the chemical composition of extracts. In the second axis, we studied the antibacterial power of the studied plant extracts.

**Keywords :** antibacterial activity, flavonoids, medicinal plants, polyphenols

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